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High Voltage Engineering Springer Science & Business Media
Special Features: This textbook is useful for the undergraduate students embarking introductory course in Mechatronics and Microprocessors and covers the revised syllabus prescribed by Visvesvaraya Technological University (VTU), Karnataka, India with effect from 2008 for third year Mechanical, Mechatronics and Automobile Engineering students. 1. Updated coverage on microprocessors and programming as represented by the Syllabus Map. 2. Working and applications provided for various components. 3. Wide variety of solved problems with step-by-step solutions. 4. Concepts well illustrated by labeled circuit diagrams. 5. Related examples and microprocessors programs. 6. Excellent pedagogy that includes: - 360+ illustrations and line diagrams. - 60+ solved examples. - 260+ review questions. - 160+ objective-type questions. - 30+ chapter-end problems. - 50+ explanatory examples. - Model question papers. About The Book: This textbook is useful for the undergraduate students embarking on an introductory course in Mechatronics and Microprocessors. The text focuses and is written for engineering students, and for those who would like to understand the principles of mechatronic systems and microprocessors. However, it is designed to meet with the requirements for mechanical, manufacturing and automobile engineering programmes prescribed by the Visvesvaraya Technological University (VTU), Karnataka, in India. It covers the revised syllabus prescribed by VTU Karnataka, with effect from 2008 for third year Mechanical, Mechatronics and Automobile Engineering students. - Updated coverage on microprocessors and programming as represented by the Syllabus Map. - Working and applications provided for various components. - Wide variety of solved problems with step-by-step solutions. - Concepts well illustrated by labeled circuit diagrams. - Related examples and microprocessors programs. - Excellent pedagogy that includes: "360+ illustrations and line diagrams." 60+ solved examples." 260+ review questions." 160+ objective-type questions." 30+ chapter-end problems." 50+ explanatory examples. - Model question papers.

Industrial Engineering and Ergonomics Firewall Media
Includes extensive coverage of concepts followed by relevant illustrative examples and problems for self-evaluation. Worked out problems for practice, a collection of 30+ VTU question papers at the end of each chapter are also included.

Electric Motors "O'Reilly Media, Inc."

This book is essential reading for the students of Mechanical Engineering. It is a rich blend of theoretical concepts and neat illustrations with footnotes and a list of formulae for ready reference. Key Features: "Step-by-Step approach to help students

Fluid Mechanics Technical Publications

The Book has been written to satisfy the need of First year B.E students of VTU as per revised 2015 Modules based Syllabus. It is written in simple English language like class notes so that the concepts can be understand easily by both fast learner as well as slow learner. It includes the concepts beyond the syllabus and model question bank for IT companies placement interview. The book covers the syllabus like introduction to C, fundamental concepts of C, control statements, looping statements, arrays, strings, functions, structures, files, pointers, dynamic memory allocation and introduction to data structures. In addition the book includes good number of all type of programming examples, lab manual, viva questions, old VTU question papers, model question paper and Question bank for practice.

Educational Television In India Notion Press

Metal casting is the process of producing metal or alloy component parts. In casting the metal is heated sufficiently to make it into liquid and then poured into moulds of the desired shape. Casting is most often used for making complex shapes so that would be difficult or uneconomical to make by other methods. Welding is a fabrication process that joins materials usually metals by using high heat to melt the parts together and allowing them to cool causing fusion. Many different energy sources can be used for welding including gas flame, electric arc, a laser and electron beam, friction and ultrasonic. Our hope is that this book, through its careful explanations and concepts and its use of sketches and figures bridges the gap between knowledge and proper application of that knowledge.

File Structures : An Object-Oriented Approach with C++, 3/e CBS Publishers & Distributors Pvt

Limited, India

This textbook covers the fundamental principles and applications and discusses topics, such as, simple and compound stresses, bending moments, shear forces, stresses in beams, deflection in beams, torsion of shafts, thick and thin cylinders, and columns and struts.

Metal Cutting and Forming Tata McGraw-Hill Education
Made Easy Series is developed with an objective of meeting the requirement of books that cover syllabi of important core engineering subjects focussing completely on the manner in which concepts will be tested in examinations. Books in this series are designed in a question-and-answer format to cater to undergraduate students of all major technological universities and to equip them with the desired knowledge in a simple yet comprehensive manner. They explore all the important concepts of the syllabi with the help of solved questions and numerical problems of previous years' question papers of these universities. Apart from being extremely student-friendly and lucid, the books in this series are rich in pedagogical features such as brief point-wise discussion of fundamental concepts, theoretical questions with answers, solved numerical problems, and objective questions and exercises for further practice (all taken from previous years' question papers) that aid students in preparing well for university examinations. Because of the fiercely competitive nature of the current academic scenario and the large number of books available for each topic, it is extremely difficult for students to spend too much time in an in-depth study of each book, especially during examinations when they are hard-pressed for time. Made Easy Series will empower students to prepare for university examinations in a systematic and thorough manner in a limited amount of time. The syllabi of the following universities have been covered in the book: UPTU, Anna Univ., JNTU, VTU, RTU, RGTU, WBUT, BPUT, PTU, Pune Univ., Mumbai Univ.

Engineering Physics Made Easy Discovery Publishing House

1. Chapterwise and Topicwise medical Entrance is a master collection of questions 2. The book contains last 17 years of question from various medical entrances 3. Chapterwise division and Topical Categorization is done according NCERT NEET Syllabus 4. Previous Years Solved Papers (2021-2005) are given in a Chapterwise manner. With ever changing pattern of examinations, it has become a paramount importance for students to be aware of the recent pattern and changes that are being made by the examination Board/Body. For an exam like NEET, it's even more important for an aspirant to stay updated with every little detail announced by the Board. The current edition of "NEET+ Physics Chapterwise – Topicwise Solved Papers [2021 – 2005]" serves as an effective question bank providing abundance of previous year's questions asked in last 17 years along with excellent answer quality. Arranged in Chapterwise – Topicwise format, this book divides the syllabus in two Parts where; Part I is based on Class XI NCERT syllabus whereas, Part II serves for Class XII NCERT syllabus. It also helps aspirants by giving clear idea regarding the chapter weightage from the beginning of their preparation. Besides benefitting for NEET, it is highly helpful for AIIMS, JIPER, Manipal, BVP, UCPPTM, BHU examination. TOC Part I: Based on Class XI NCERT, Part II: Based on Class XII NCERT, NEET Solved paper 2021, NEET Solved Paper 2020.

Engineering Physics (VTU) New York ; Toronto : McGraw-Hill

Aryan, a rich Bengali boy, grows up seeing his family's wealth take a plunge due to his father's ill health. The land mafia tries to grab hold of the last piece of land the family owns. He stands up against all odds, to fight them and to protect his family's land, which is the last hope to secure a decent future for the family, only to discover an ugly truth, that the family he had been protecting has turned their back on him, at his most crucial time of need. During this time, he loses his friends and the girl

he loves, as she falls out of love with him and falls into the arms of her best friend. Depressed, hurt and hateful with vengeance, he decides to take on the people who brought him to this stage of ruin in his life, including his one-time love.

Metal Casting and Welding IGI Global

The comprehensive study of electric, magnetic and combined fields is nothing but electromagnetic engineering. Along with electronics, electromagnetics plays an important role in other branches. The book is structured to cover the key aspects of the course Electromagnetic Field Theory for undergraduate students. The knowledge of vector analysis is the base of electromagnetic engineering. Hence book starts with the discussion of vector analysis. Then it introduces the basic concepts of electrostatics such as Coulomb's law, electric field intensity due to various charge distributions, electric flux, electric flux density, Gauss's law, divergence and divergence theorem. The book continues to explain the concept of elementary work done, conservative property, electric potential and potential difference and the energy in the electrostatic fields. The detailed discussion of current density, continuity equation, boundary conditions and various types of capacitors is also included in the book. The book provides the discussion of Poisson's and Laplace's equations and their use in variety of practical applications. The chapter on magnetostatics incorporates the explanation of Biot-Savart's law, Ampere's circuital law and its applications, concept of curl, Stoke's theorem, scalar and vector magnetic potentials. The book also includes the concept of force on a moving charge, force on differential current element and magnetic boundary conditions. The book covers all the details of Faraday's laws, time varying fields, Maxwell's equations and Poynting theorem. Finally, the book provides the detailed study of uniform plane waves including their propagation in free space, perfect dielectrics, lossy dielectrics and good conductors. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. The variety of solved examples is the feature of this book which helps to inculcate the knowledge of the electromagnetics in the students. Each chapter is well supported with necessary illustrations and self-explanatory diagrams. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

The Collected Mathematical Papers PHI Learning Pvt. Ltd.

This book "Engineering Physics" is prepared specially for I and II Semester students of B.E./B.Tech. Course of Visvesvaraya Technological University. The subject matter has been methodically and systematically developed from the fundamental experimental physics. This text book has been written keeping in mind the difficulties of the students. KEY FEATURES • Number of solved problems for practice • Comprehensive text with lucid language • Revision questions, chapter end summary and list of formulae for better recap • Model Question papers for better insight into the subject matter

SIGNALS AND SYSTEMS Springer Science & Business Media

Fluid Mechanics is the branch of physics concerned with the mechanics of fluids and forces acting on them. It includes unlimited practical applications ranging from microscopic biological systems to automobiles, airplanes and spacecraft propulsion. Fluid Mechanics is the study of fluid behavior at rest and in motion. It also gives information about devices used to measure flow rate, pressure and velocity of fluid. The book uses plain, Lucid language to explain fundamentals of this subject. The book provides logical method of explaining various complicated concepts and stepwise methods to explain the important topics. Each chapter is well supported with necessary illustrations, practical examples and solved

problems. All the chapters in the book are arranged in a proper sequence that permits each topic to build upon earlier studies. All care has been taken to make readers comfortable in understanding the basic concepts of the subject.

7th International Conference, NMA 2010, Borovets, Bulgaria, August 20-24, 2010, Revised Papers PHI Learning Pvt. Ltd.

This book has been designed to provide a comprehensive exposure to the first course on Engineering Chemistry taken by the undergraduate students of engineering. Lucid presentation, simple language along with clear illustrations and applications makes this book an easy text to read and understand the concepts. Feature: • Provides a perfect link between the fundamental concepts and their relevant applications • Lab-manual with details of all the 12 lab experiments • 5 Solved previous years' question papers

As Per Vtu Syllabus of 2015 to 2016 Scheme (For First Year B.e All Branches) Technical Publications Well-designed graphical user interfaces (GUIs) for business systems can greatly increase user productivity, but designing them can be difficult and time consuming. This book walks developers through the basics of good interface design, using real-world examples from systems that are proven successes. Galitz is an internationally recognized consultant, author, and instructor with many years of experience with information systems and user interface design. Written especially for developers who may be designing user interfaces for the first time, but also extremely useful for any developer involved in GUI or Web site design. Revised to reflect the profound enhancements in interface design, specifically how Web page design has revolutionized interface design. New information covers a variety of platforms, both traditional and Web-based.

Computer Organization Pearson Education India

Metal cutting is the process of removing unwanted material in the form of chips from a block of metal using cutting tools. Metal cutting is performed on lathe machine, milling machine, drilling machine, shaper, planer and slotter. Grinding is the commonly used finishing process. Metal forming includes a large number of manufacturing processes in which plastic deformation property is used to change the shape and size of metal workpieces. During the process, for deformation purpose, a tool is used which is called as die. It applies stresses to the material to exceed the yield strength of the metal. Due to this the metal deforms into the shape of the die. Generally, the stresses applied to deform the metal plastically are compressive. Sheet metal working is generally associated with press machines and press working. Press working is a chipless manufacturing process by which various components are produced from sheet metal.

Object-oriented Modeling and Design Accounting for Managers: For VTU

The 60th birthday of Prof. Luczak is the reason for this book. He will be honoured for his research work during the "GfA-conference" in March 2009. This book is the corresponding "Festschrift" for him.

Micro Electro Mechanical Systems New Age International

Quantum computing is radically different from the conventional approach of transforming bit-strings from one set of zeros and ones to another. With quantum computing, everything changes. The physics used to understand bits of information and the devices that manipulate them are vastly different. Quantum engineering is a revolutionary approach to quantum technology. Technology Road Mapping for Quantum Computing and Engineering explores all the aspects of quantum computing concepts, engineering, technologies, operations, and applications from the basics to future advancements. Covering topics such as machine learning, quantum software technology, and technology road mapping, this book is an excellent resource for data scientists, engineers, students and professors of higher education, computer scientists, researchers, and academicians.

Numerical Methods and Applications Technical Publications

This book, in its third edition, continues to focus on the basics of civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas (as needed by them in the beginning of their engineering education). A basic undergraduate textbook for the first-year

students of all branches of engineering, this book is specifically designed to conform to the syllabus of Visvesvaraya Technological University (VTU). Imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings, roads, highways, dams and bridges, the third edition covers the engineering mechanics portion in eleven chapters. Each chapter introduces the concepts to the reader, stepwise. Providing a wealth of practice examples, the book emphasizes the importance of building strong analytical skills. Practice problems, at the end of each chapter, give students an opportunity to absorb concepts and hone their problem-solving skills. The book comes with a companion CD containing the software developed using MS-Excel, to work out the problems on Forces, Centroid, Friction and Moment of Inertia. The use of this software will enable the students to understand the concepts in a relatively better way. NEW TO THIS EDITION • Introduces a chapter on Kinematics as per the revised Civil Engineering syllabus of VTU • Updates with the latest examination Question Papers, including the one held in the month of December 2013

Respect PHI Learning Pvt. Ltd.

Accounting for Managers: For VTU Pearson Education India Textbook of Elements of Mechanical Engineering I. K. International Pvt Ltd

Textbook of Elements of Mechanical Engineering PHI Learning Pvt. Ltd.

Shows programmers how to use two UNIX utilities, lex and yacc, in program development. The second edition contains completely revised tutorial sections for novice users and reference sections for advanced users. This edition is twice the size of the first, has an expanded index, and covers Bison and Flex.